

# Premium Benchtop Shaking Incubators



ZWYR-240



ZWYR-200D

## Description:

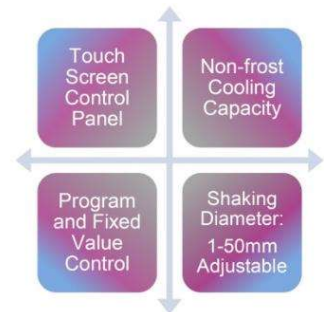
This new premium benchtop shaking incubators provided by LABWIT offer conditions of time, broad temperature and orbital or reciprocal agitation capabilities for meeting comprehensive requirement of the growth of biological organisms. This P.I.D microprocessor controlled shakers have a number of advanced features that are really unique in bench top models.

This unique benchtop model with shaking diameter stepless adjustable from 1-50mm provides unmatched flexibility for meeting comprehensive application requirements. The sophisticated PID controller provides these units with choices of not only constant controlling on a fixed temperature and speed, but also programmed controlling with a series of "ramps and soaks" segments on time basis.

For data recording, the units are equipped with a built-in thermo printer as standard, so that operators could check how the performance parameters vary according to specified process without having to be on site.

## Features:

- 4.3" LCD 480x272 touch screen panel clearly indicates all parameters in one page display and makes it easy to change the operating parameters settings, even those multi set points under programmable mode intuitively.
- P.I.D microprocessor controller provides unmatched versatility by enable users to create personalized program (with up to 9 segments, with cycling) to automate changes to function parameters.
- Inner chamber & tray from high graded #304 electro polished stainless steel.
- Robust single eccentric counterbalanced drive in cast iron housing provides vibration and trouble free operation with high shaking speed up to 600rpm.
- The versatility of the driving system allows stroke continuous adjustment from 1 to 50 mm for optimum oxygenation and nutrient mixing and agitation in from small to large flasks.
- Quality brushless AC inductive motor supports reliable, quiet and smooth shaking movements up to top speed.
- Auto-defrosting system, ensuring long-terms non-frosting operation with low temperature setpoints.
- Non-volatile memory saves settings during a power outage and automatically restarts the unit after power is restored.
- Audible and visual alarms on over temperature and motor overheating, and automatically cut off the power.
- Soft start and smooth acceleration when lid is closed after short opens.
- For data recording, the units are equipped with a built-in thermo printer as standard, so that operators could check how the performance parameters vary according to specified process without having to be on site.
- Timer up to 9999 mins under fixed value control mode.
- Predrilled standard tray included, without clamps.



Flask (ml)	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	P8010	P8012
ZWYR-200D	23	23	12	9	7	5	4	3	8
ZWYR-240	23	23	12	9	7	5	4	3	8
ZWFR-200	23	23	12	9	7	5	4	3	8

*Advanced Solutions for Scientific Discovery!*

**Specifications:**

Model	ZWYR-200D	ZWYR-240	ZWFR-200
Control	P.I.D Microprocessor		
Control Mode	Fix Value or Program (up to 9 Segments)		
Control Panel	4.3" LCD Touch Screen		
Volume (L)	69		
Shaking Speed (rpm)	30-600	30-400	30-240
Stroke (mm)	1-50 Stepless Adjustment		1-40 Stepless Adjustment
Shaking Mode	Orbital		Reciprocal
Tray (mm) (WxD)	400x370		435x420
Ambient Temperature(°C)	5-25		
Temperature Range (°C)	4-60		
Temperature Accuracy (°C)	0.1		
Temperature Uniformity (°C)	±1°C@37°C		
Timer	1 to 9999 mins		
Inner Dimensions (mm) (WxDxH)	490x470x320	490x470x335	490x470x320
Exterior Dimensions (mm) (WxDxH)	774x740x610		
Packing Dimensions (mm) (WxDxH)	844x810x770		
Net/Gross Weight (kg)	100/132		
Power (W)	700		
Electricity	220-240V 50/60 Hz		
Approval	CE, ISO		
Security	Over-temperature Protection, Compressor Overload Protection, Electrical Leakage Protection		
Additional	Built-in Printer, RS485 COM Kit (Option)		



Touch Screen Panel



Forced Air Convection



1-50mm Shaking Diameter Adjustment

Part NO.	Description	Part NO.	Description
ZWYR-240	ZWYR-240, 69L, Premium Orbital Shaking Incubator 4-60, 30-400rpm	P8013	T Clamp, S/S, for 150ml Flask, with Spring Retainer
ZWYR-200D	ZWYR-200D,69L, Premium Orbital Shaking Incubator 4-60, 30-600rpm	P8014	T Clamp, S/S, for 300ml Flask, with Spring Retainer
ZWFR-200	ZWFR-200,69L, Premium Reciprocal Shaking Incubator 4-60, 30-240rpm	P8004	T Clamp, S/S, for 500ml Flask, with Spring Retainer
P5016	RS-485 Interface	P8005	T Clamp, S/S, for 750ml Flask, with Spring Retainer
P6004	Tray for ZWYR-240/200D, ZWY-240/200D, S/S*	P8006	T Clamp, S/S, for 1000ml Flask, with Spring Retainer
P6005	Tray for ZWFR-200, ZWF-200, S/S	P8007	T Clamp, S/S, for 2000ml Flask, with Spring Retainer
P7003	Universal Tray for ZWYR-240/200D, ZWY-240/200D	P8010	Tube Rack S/S
P7005	Universal Tray for ZWFR-200, ZWF-200	P8011	Tube Rack ABS Plastic
P8001	T Clamp, S/S, for 50ml Flask, with Spring Retainer	P8012	Clamp for 96 Well Plate, S/S
P8002	T Clamp, S/S, for 100ml Flask, with Spring Retainer	P8017	Sticky Mat, 20 x 20cm
P8003	T Clamp, S/S, for 250ml Flask, with Spring Retainer		*S/S: Stainless Steel



T Clamps



P8017



P8010